UB-R02 User's Manual

404861602

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Introduction

The UB-R02 is an interface board on which is installed an IEEE 802.11b Radio Frequency (RF) module for EPSON® TM printers.

This manual provides instructions, including a simple setup for operators of POS systems in which the UB-R02 is installed so that the operators can use the UB-R02 safely and correctly.

Key to Symbol

The symbol in this manual is identified by its level of importance, as defined below. Read the following carefully before handling the product.

Note:

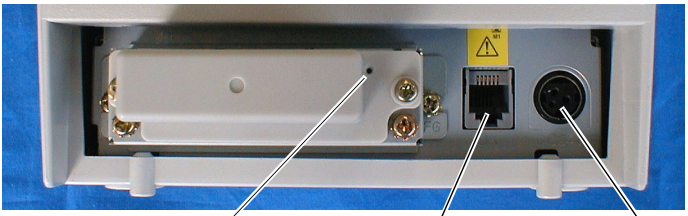
Notes have important information and useful tips on the operation of your equipment.

Features and Functions

- ❏ 64/128-bit WEP
- ❏ Protocols: TCP, UDP, ICMP, IP, LP/LPR (for APD), TCP socket port (for OPOS)
- ❏ Transfer rate: up to 11 Mbps, depending on operating environment
- ❏ OPOS, APD support

Part Names

The following view shows the part names of the UB-R02.



Note: This photograph shows the TM-T88III printer with the UB-R02 installed.

DIP Switches

When using this interface board, the interface of the TM printer must be selected as "parallel" with the appropriate settings. Set the reset signal for pin 31 to "enable," if you are using a TM printer that has this setting. Refer to the manual for each TM printer for details.

How to Set Up the UB-R02

Preparation

Printing a Status Sheet

Power on the printer. Wait for a few seconds. Then, hold down the push button on the interface card for more than 3 seconds. The printer prints the parameters for the UB-R02. You can check all setting values necessary (SSID, Network mode, IP address, Subnet mask, Gateway address) for the network connection.

Connection

Set the setting of the host PC and AP to match the network setting that you have confirmed with the status sheet.

You can check whether the connection to the printer has been correctly done by inputting the ping command through the command prompt.

Example: Ping 192.168.192.168

Note:

Although the example shows the address 192.168.192.168, use whatever IP address is reported on the status sheet.

Because the default IP addresses for all the wireless printers are the same, you should power on and configure only one printer at a time.

Resetting the UB-R02 to Factory Defaults

Hold down the push button on the interface card while turning on printer power and continue to hold it down for 5 seconds. This causes all internal settings to return to their factory defaults.

Setup

The TMNetWinConfig (version 2.0 or later) and the *UB-R02 Technical Reference Guide* are necessary for setup. Obtain them from the appropriate web site below:

For customers from North America, go to the following web site:
http://pos.epson.com/

For customers from other countries, go to the following web site:
http://www.epson-pos.com/
Select the product name from the "Select any product" pull down menu.

EMC Standards Applied

Product Name: UB-R02

Model Name: M195A

The following standards are applied only to the interface boards that are so labeled. (EMC is tested using the EPSON power supplies and TM series printers.)

Europe:	CE marking	
North America:	EMI:	FCC/ICES-003 Class A
Oceania:	EMC:	AS/NZS 3548, CISPR22 Class B

WARNING

You are cautioned that changes or modifications not expressly approved by Seiko Epson Corporation could void your authority to operate the equipment.

CE Marking

The printer conforms to the following Directives and Norms:

Directive 89/336/EEC
- EN 55022 Class B
- EN 55024
  - IEC 61000-4-2
  - IEC 61000-4-3
  - IEC 61000-4-4
  - IEC 61000-4-5
  - IEC 61000-4-6
  - IEC 61000-4-11

The printers in which this board is installed do not conform to the following:

Directive 90/384/EEC EN 45501

FCC Compliance Statement For American Users

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FOR CANADIAN USERS

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

RF Module

This equipment contains the following wireless module.
Manufacturer: Universal Scientific Industrial Co., Ltd.
Model Name: CF114100
Product Name: USI WLAN CompactFlash Card Type I

USA

This device conforms to Part 15 of the FCC rules.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

For body worn operation, this CF114100 has been tested and meets the FCC RF exposure guidelines when used with the Universal Scientific Industrial Co., Ltd. accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

CANADA

This device conforms to IC, Low Power License-Exempt Radio Communication Devices (RSS-210).
The information such as Certification No., Model Name, and Manufacturer Name are described on the surface of the module.

EUROPE

Hereby, Universal Scientific Industrial Co., Ltd., declares that this CF114100 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The UB-R02 can be used only in the countries listed below:

Austria, Belgium, Germany, Luxembourg, Netherlands, Switzerland, France, Italy, Greece, Spain, Portugal, Denmark, Finland, Ireland, Sweden, UK, USA, Canada, Australia, and New Zealand.

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